#9



SEQUENCE LISTING of Kentucky Research Foundation <110> Uni GEN, Susheng XIE, Mingtang <120> Genetic Insulator for Preventing Influence By Another Gene <130> 050229-0287 <140> 09/973,945 <141> 2001-10-11 <150> 60/241,735 <151> 2000-10-20 <160> 37 <170> PatentIn version 3.1 <210> 1 <211> 58 <212> DNA <213> Arabidopsis thaliana <400> 1 gaagatctag aatatatata tattcgatag aatatatata tattcgcaag accettce 58 <210> 2 <211> 35 <212> DNA <213> Arabidopsis thaliana <400> 2 ggaattccat ggatcccggg tgtaattgta aatag 35 <210> 3 <211> 30 <212> DNA <213> Arabidopsis thaliana <400> 3 gaagatctga tatcaagctt cgcaagaccc 30 <210> 4 <211> 63 <212> DNA <213> Arabidopsis thaliana <400> 4 gaagatctat tgtgagcgct cacaatgata attgtgagcg ctcacaattc gcaagaccct 60 tcc 63

<210>	5			
	46			
	DNA			
	Arabidopsis thaliana			
72137	Alabidopsis chariana			
-100>	E.			
<400>		46		
gaagato	ctag aatatatata tattcactag ttcgcaagac ccttcc	40		
<210>	6			
<211>	18			
	DNA			
	Escherichia coli			
1225				
<400>	6			
		1.0		
attgtga	agcg ctcacaat	18		
<210>	7			
<211>	31			
<212>	DNA			
	Escherichia coli			
<400>	7			
	attg tgagcgctca caatgaaaaa g	31		
CttCta	try tyaytyttea taatyaaaaa y	71		
	8			
<211>	31			
<212>	DNA			
<213>	Escherichia coli			
<400>	8			
	catt gtgagcgctc acaattagaa g	31		
000000	gegagogeee weatteagun g			
.010-				
<210>	9			
<211>	16			
<212>	DNA			
<213>	Arabidopsis thaliana			
<400>	9			
gaatata	atat atattc	16		
_				
<210>	10			
<211>	16			
<212>	DNA			
<213>	Arabidopsis thaliana			
<400>	10			
gaatatatat atattc 16				
<210>	11			
<211>	29			

<212> <213>	DNA Arabidopsis thaliana	
<400>	11	
	gaat atatatatat tcgaaaaag	29
<210>	12	
<211>		
<212>		
<213>	Arabidopsis thaliana	
<400>	12	
	cgaa tatatata ttctagaag	29
.010	12	
<210> <211>		
<211>		
	Arabidopsis thaliana	
<400>	13	
cttcta	gaat atatgtatat tcgaaaaag	29
<210>	14	
<211>		
<212>		
<213>	Arabidopsis thaliana	
<400>	14	
	cgaa tatacatata ttctagaag	29
<210>	15	
<211>		
<212>		
<213>	Arabidopsis thaliana	
• • • •		
<400>	15	20
CLLCLA	acct atatatata tcgaaaaag	29
<210>	16	
<211>	29	
<212> <213>		
~ 413 <i>></i>	Arabidopsis thaliana	
<400>	16	
cttttt	cgaa tatatata ggttagaag	29
<210>	17	
<211>	29	
<212>	DNA	
<213>		

cttct	17 agaag cgatatatat tcgaaaaag	29
<210>	1.0	
<211>		
<211>		
	Arabidopsis thaliana	
<213>	Arabidopsis thallana	
<400>		
CEEEE	togaa tatatatogo ttotagaag	29
<210>		
<211>	29	
<212>	DNA	
<213>	Arabidopsis thaliana	
<400>	19	
cttcta	agaat atcgcgatat tcgaaaaag	29
.0.1.5		
<210>		
<211>		
<212>		
<213>	Arabidopsis thaliana	
<400>		
ctttt	cgaa tatcgcgata ttctagaag	29
<210>	21	
<211>	29	
<212>	DNA	•
<213>	Arabidopsis thaliana	
<400>	21	
cttcta	gaat atctatatat tcgaaaaag	29
<210>	22	
<211>		
<212>		
	Arabidopsis thaliana	
<400>	22	
	cgaa tatatagata ttctagaag	29
	23	
<211>	29	
<210> <211> <212>	29 DNA	
<211> <212>	29	
<pre><211></pre> <pre><212></pre> <pre><213></pre>	29 DNA Arabidopsis thaliana	

<210> <211>	24 29		
	DNA		
<213>	Arabidopsis thaliana		
<400>	24		
	egaa tatatetata ttetagaag	29	
<210>	25		
<211>	29		
<212>			
<213>	Arabidopsis thaliana		
<400>	25		
	gaat atatctatat tcgaaaaag	29	
ccccus	gaac acacecaca cogaaaaag	23	
<210>	26		
<211>	29		
	DNA		
<213>	Arabidopsis thaliana		
<400>	26		
	gaa tatagatata ttctagaag	29	
	gaa tatagatata ttotagaag	23	
<210>	27		
<211>	29		
<212>	DNA		
<213>	Arabidopsis thaliana		
-1005	27		
<400>	gaat atatagatat tegaaaaag	29	
ccccas	, and acadegacae cogadaday	2,	
<210>	28		
<211>	31		
<212>	DNA		
<213>	Arabidopsis thaliana		
<400>	28		
	cgaa tatctatata tattctagaa g	31	
<210>	29		
	16		
<212>			
<213>	Arabidopsis thaliana		
<400>	29		
	atgt atattc	16	
<210>	30		
<211>	16		

A

<212> <213>	DNA Arabidopsis	thaliana		
<400> acctat	30 atat atattc		16	
<210> <211>				
<212> <213>	Arabidopsis	thaliana		
<400> gaagcg	31 atat atattc		16	
<210><211><211><212>	32 16 DNA			
<213>	Arabidopsis	thaliana		
<400> gaatat	32 egeg atatte		16	
<210> <211> <212>	33 16 DNA			
	Arabidopsis	thaliana		
<400> gaatat	33 ctat atattc		16	
<210><211><212><212><213>	34 16 DNA Arabidopsis	thaliana		
<400>				
gaatata	agat atattc		16	
<210><211><211><212><213>	35 16 DNA Arabidopsis	thaliana		
<400>	35			
gaatatatct atattc 16				
<210> <211> <212>	36 16 DNA			
<213>	Arabidopsis	thaliana		

<400> 36 gaatatatag atattc <210> 37 <211> 16 <212> DNA <213> Arabidopsis thaliana <220> <221> misc_feature <222> (1)..(6) <223> N can be any nucleotide <220> <221> misc_feature <222> (7)..(10) <223> NNNN is not CGCG <220> <221> misc_feature <222> (10)..(10) <223> N is not G <220> <221> misc_feature <222> (7)..(8) <223> N is not G <220> <221> misc_feature <222> (9)..(9) <223> N can be any nucleotide

<400> 37

nnnnnnnn atattc

, , a m = 4

16

16

A 29 30